

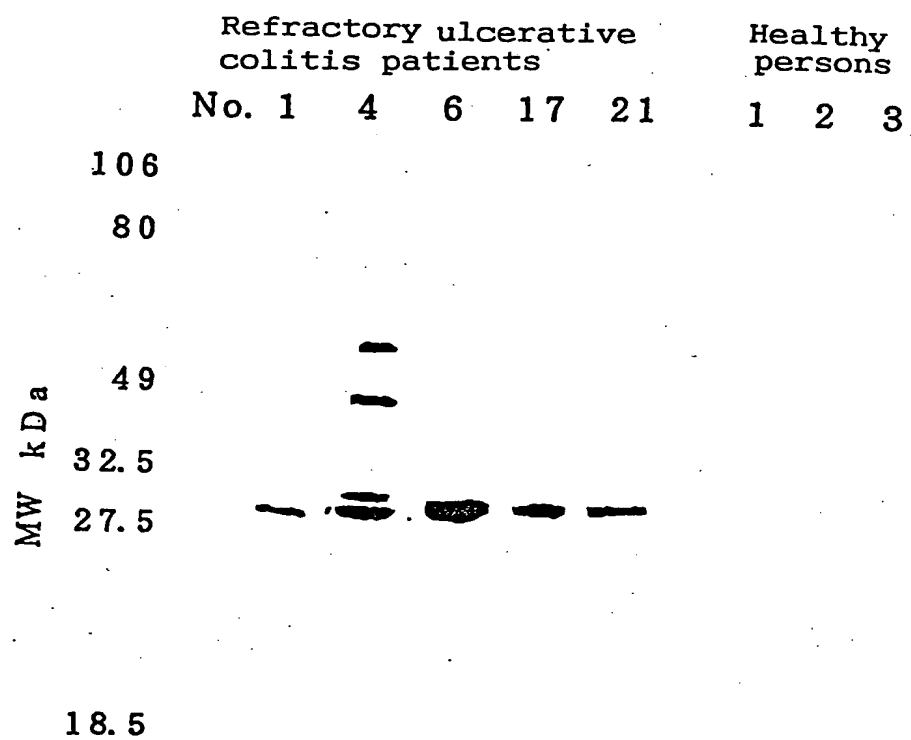
FIG. 1

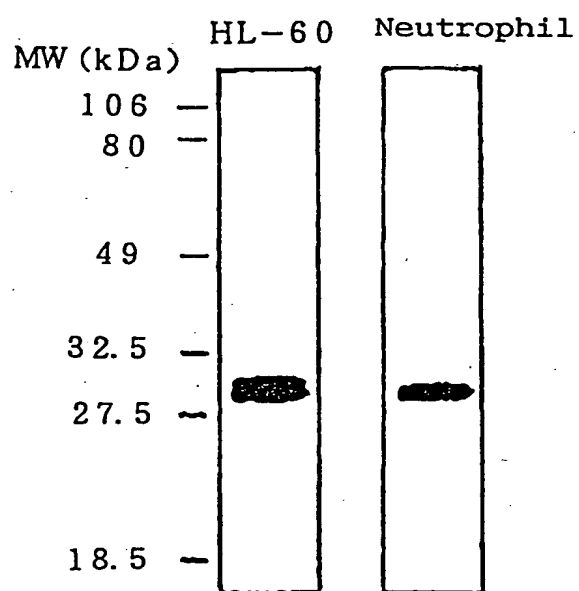
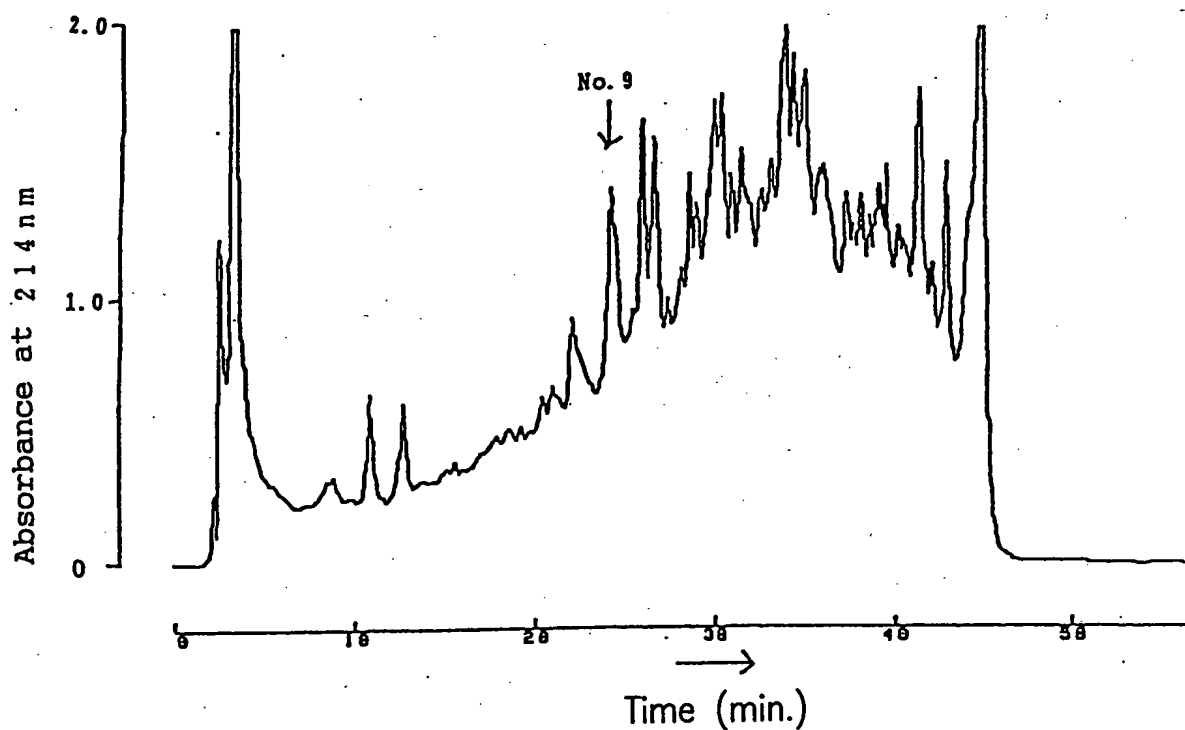
FIG. 2

FIG. 3

Elution conditions Column: YMC-ProteinRP, 250X4.6mmID, 5 μ m

Flow rate: 1.5ml/min.

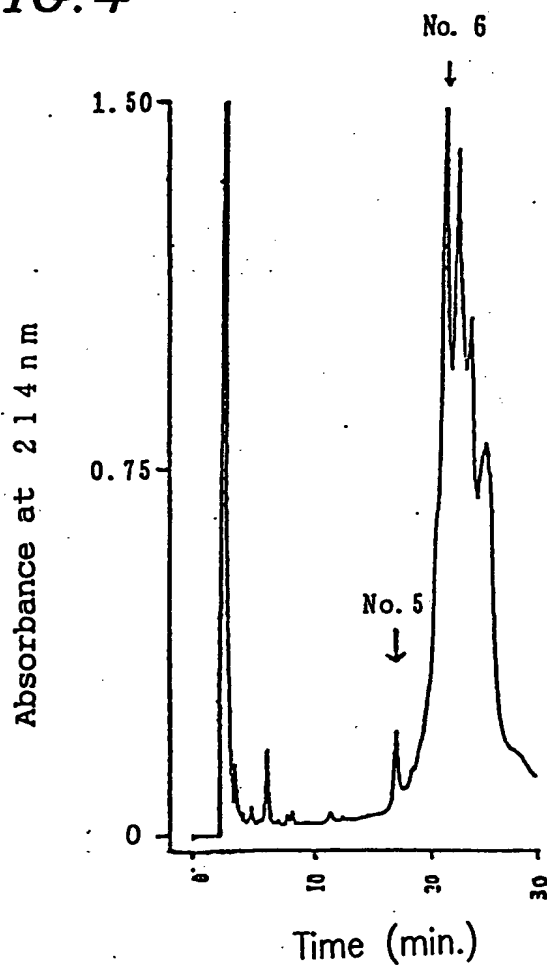
Elution: A: 0.1%TFA, B: 80%CH₃CN/0.1%TFA

20%B \rightarrow 60%B / 40min

Detection: 214nm

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FIG. 4



Elution conditions Column: YMC-ProteinRP, 250X4.6mmID, 5 μ m

Flow rate: 1.5ml/min.

Elution : A: 0.1%TFA, B : 80%CH₃CN/0.1%TFA

30%B→45%B /30min

Detection : 214nm

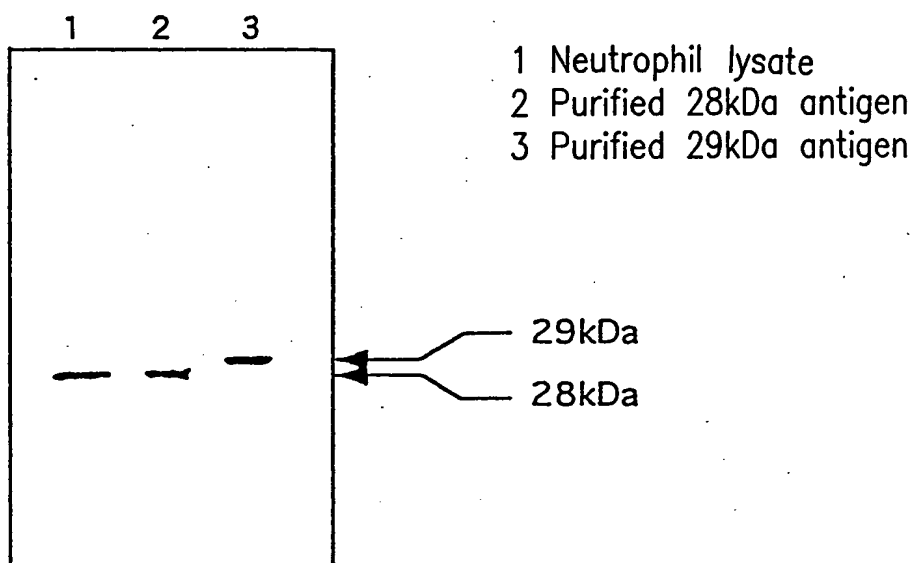
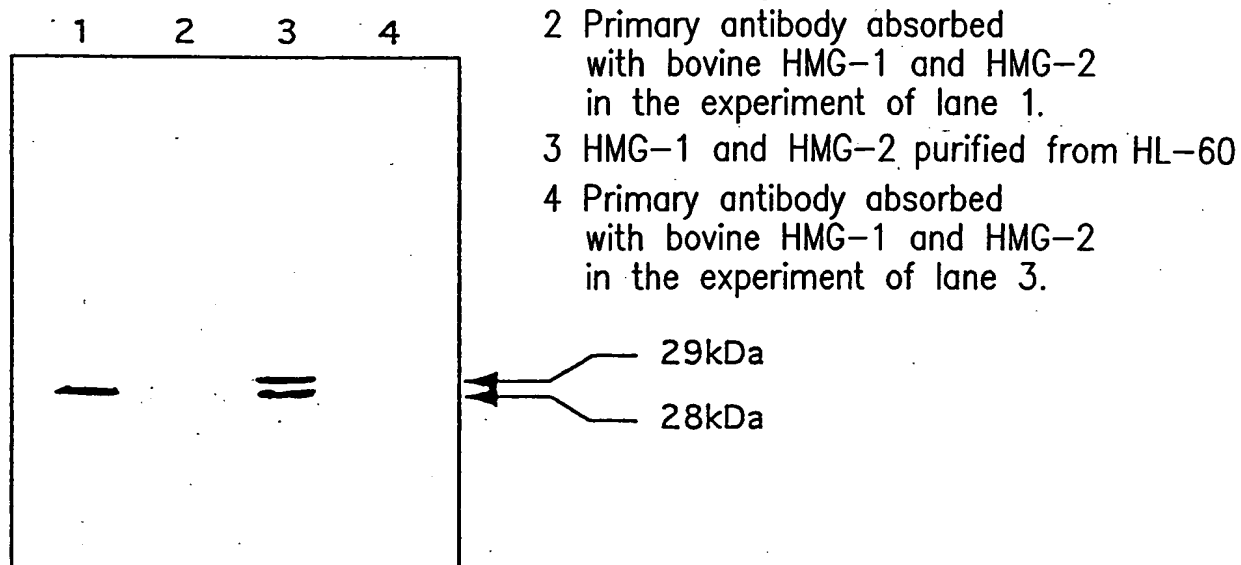
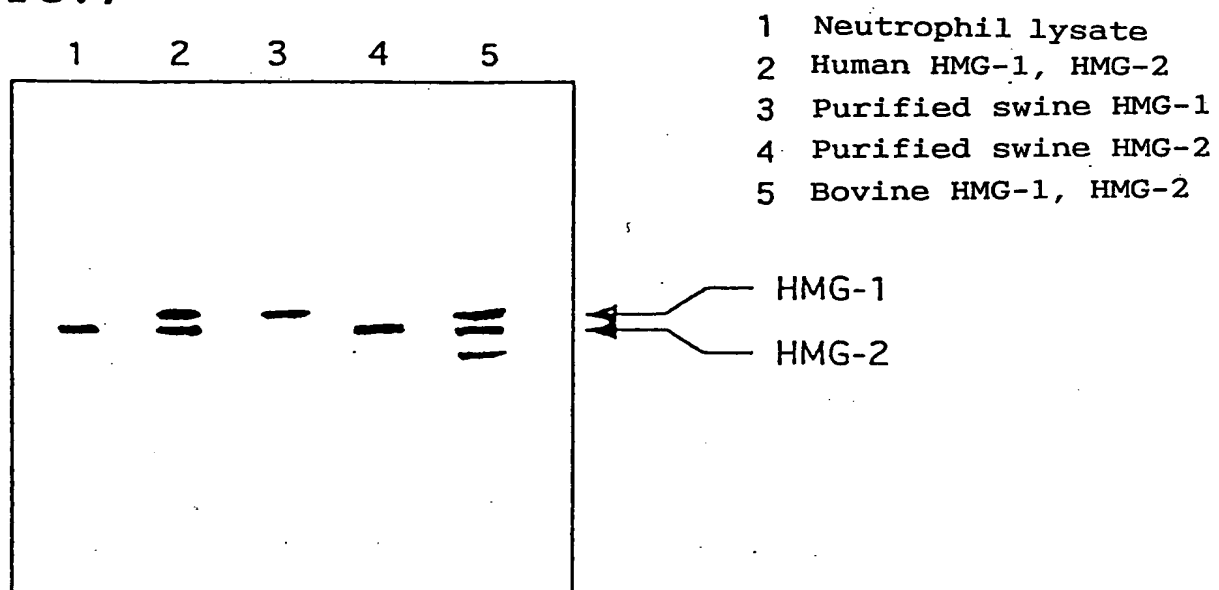
FIG. 5**FIG. 6**

FIG. 7

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FIG. 8

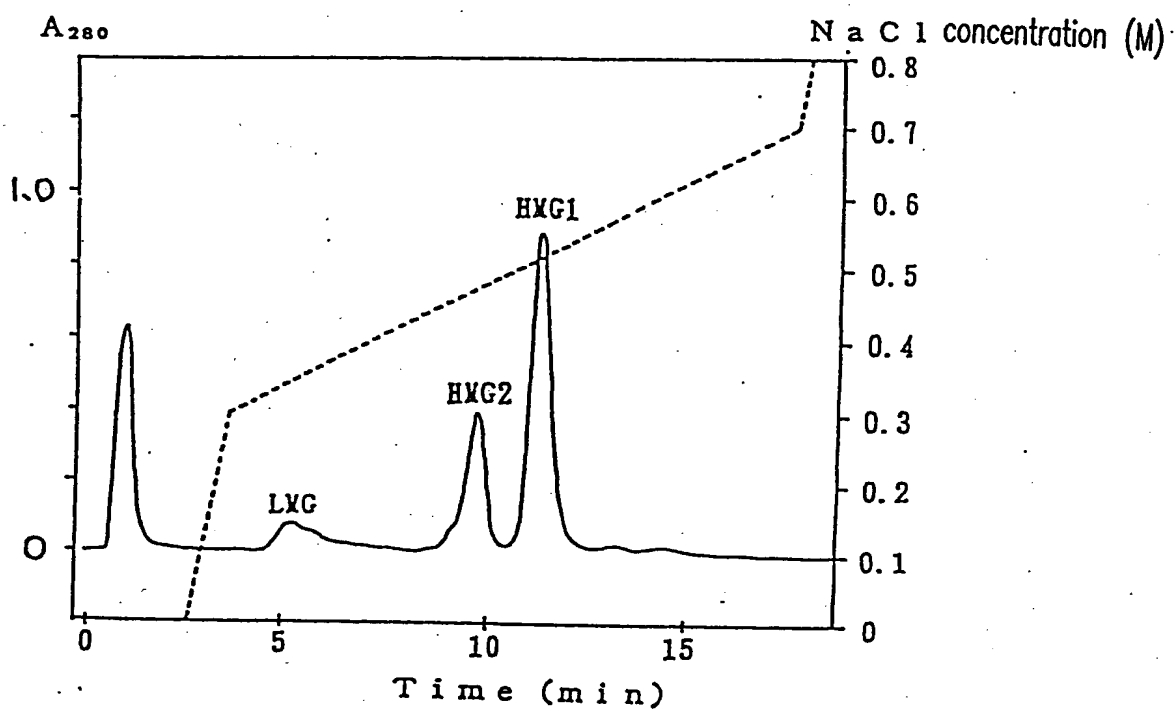


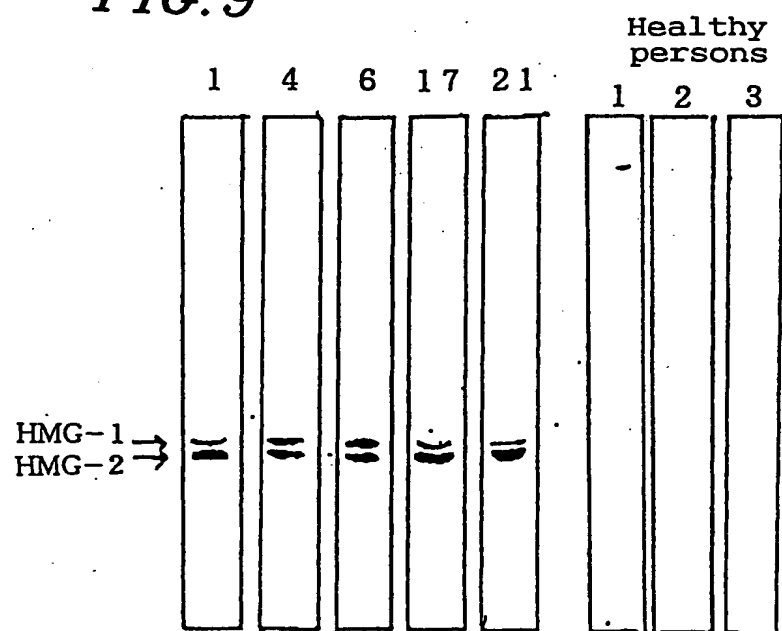
FIG. 9

FIG. 10

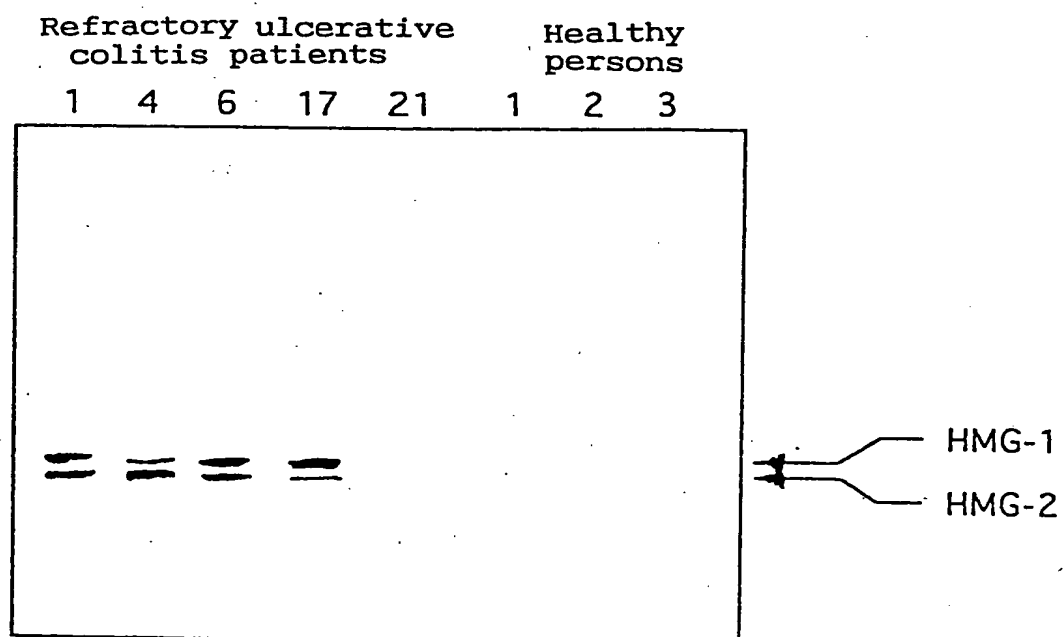


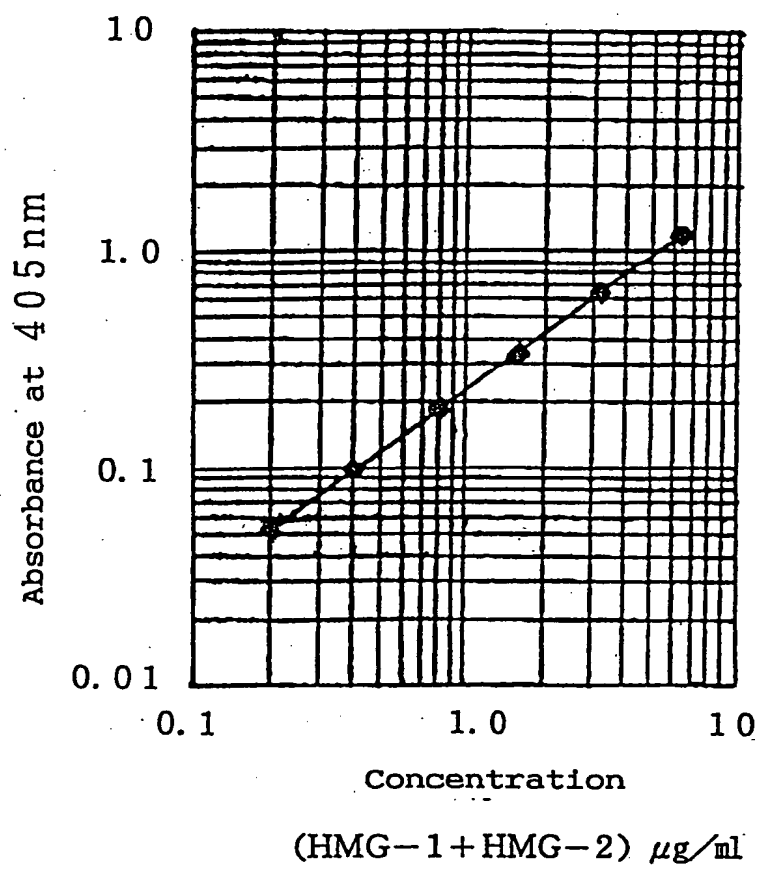
FIG. 11

FIG. 12-1

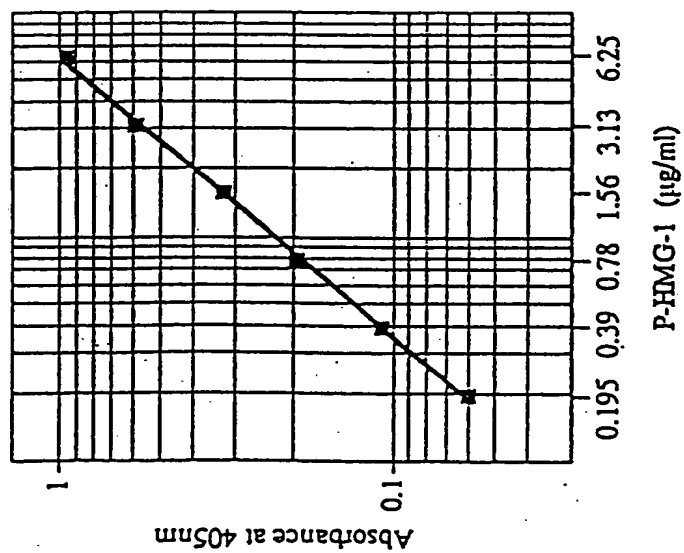


FIG. 12-2

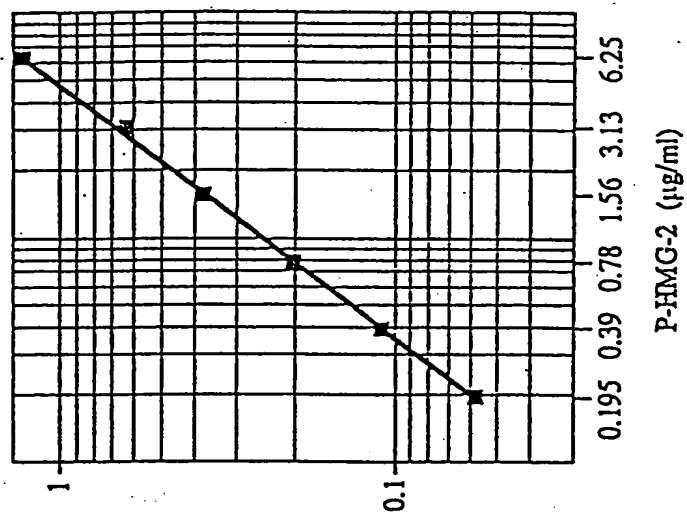


FIG. 12-3

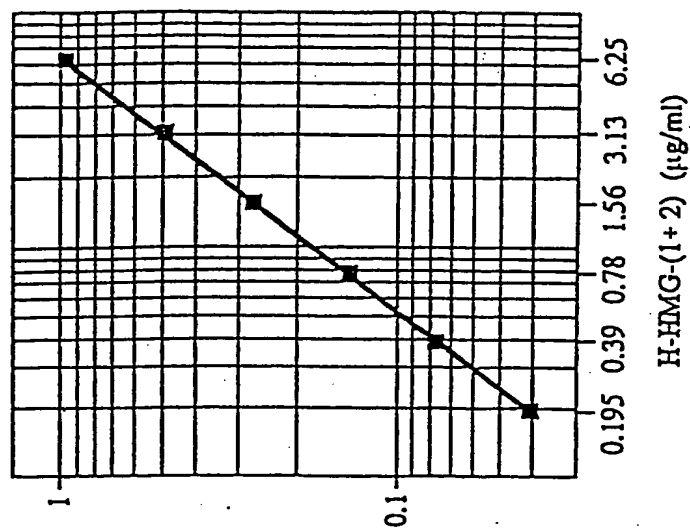


FIG. 13

--- Mean of normal persons+2s.d.
— Average for each disease

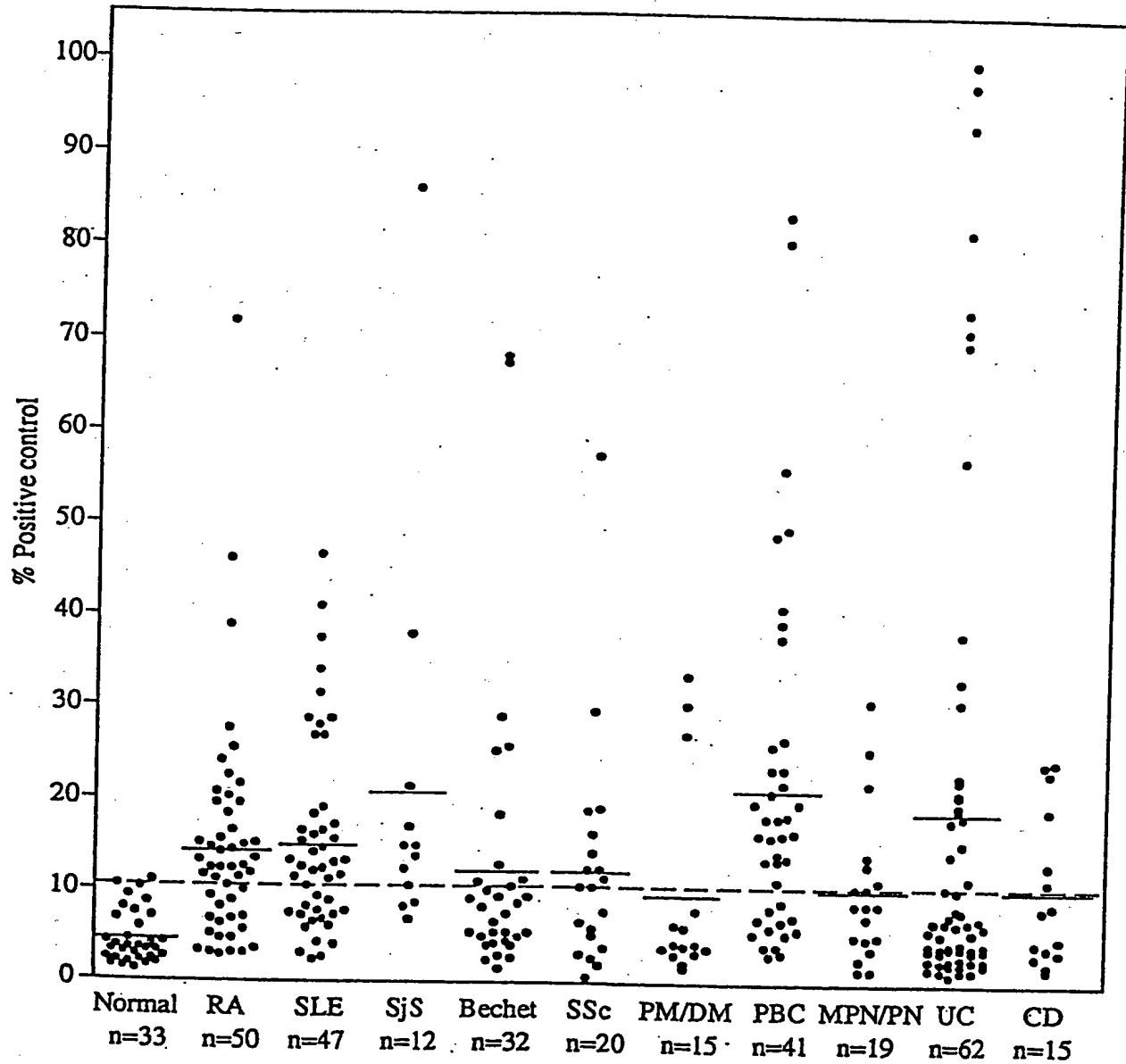


FIG. 14

--- Mean of normal persons+2s.d.
— Average for each disease

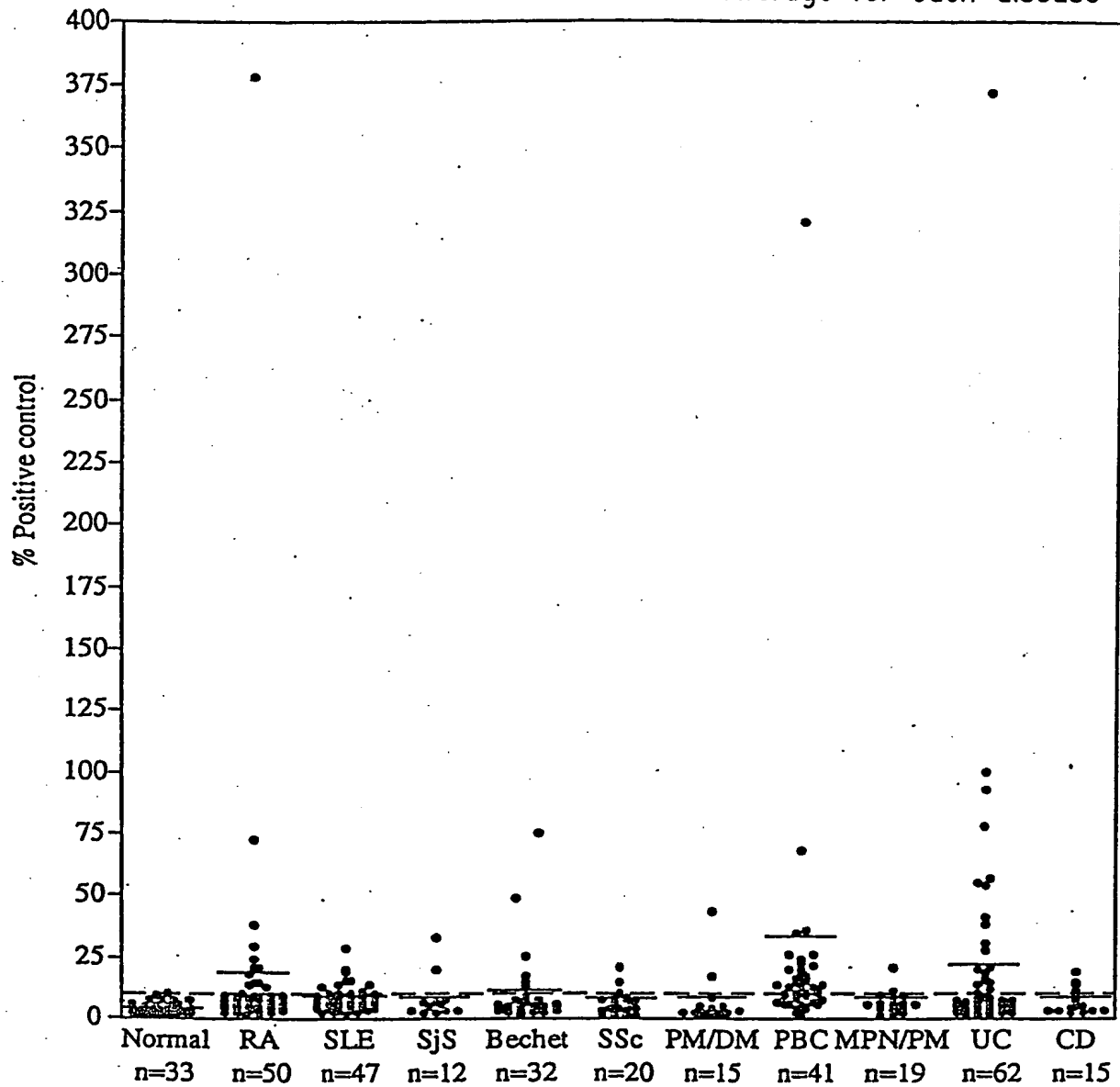


FIG. 15

Human	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Porcine	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Bovine	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Rat	1	GKGDPPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT	50
Human	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Porcine	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Bovine	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Rat	51	MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA	100
Human	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACL	150
Porcine	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKHPYEKKAACL	150
Bovine	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACL	150
Rat	101	FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAACL	150
Human	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEEEDEEDEDEEEEE	200
Porcine	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEEEDEEDEDEEEEE	200
Bovine	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEEEDEEDEDEEEEE	200
Rat	151	KEYEKDIAAYRAKGKPDAAKKGVVKAESKKKKKEEEDDEEDEDEEEEE	200
Human	201	DEEDEDEEEDDDDE	214
Porcine	201	DEEDEDEEEDDDDE	214
Bovine	201	DEEDEDEEEDDDDE	214
Rat	201	EEEDEDEEEDDDDE	214

Comparison among human, porcine, bovine and rat HMG-1
 "I" indicates the same amino acid with that of human HMG-1.

FIG. 16

Human	1	GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNF	AEFSKKCSERWKT	50
Porcine	1	GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNF	AEFSKKCSERWKT	50
Bovine	1	GKGDPNKPRGKMSSYAFFVQTSREEHKKKHPDASVNF	----S----ERWKT	50
Rat	1	GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNF	AEFSKKCSERWKT	50
Human	51	MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGD	KKGKKKDPNAPKRPPSA	100
Porcine	51	MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGD	KKGKKKDPNAPKRPPSA	100
Bovine	51	MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGD	KKGKKKDPNAPKRPPSA	100
Rat	51	MSAKEKSKFEDLAKSDKARYDREMKNYVPPKGD	KKGKKKDPNAPKRPPSA	100
Human	101	FFLFCSEHRPKIKSEHPGLSIGDTAKKL	GEMWSEQSAKDKQPYEQKAAKL	150
Porcine	101	FFLFCSEHRPKIKSEHPGLSIGDTAKKL	GEMWSEQSAKDKQPYEQKAAKL	150
Bovine	101	FFLFSAEHRPKIKAEHPGLSIGDTAKKL	GEMWSQSAKDKQPYEQKASKL	150
Rat	101	FFLFCSEHRPKIKSEHPGLSIGDTAKKL	GEMWSEQSAKDKQPYEQKAAKL	150
Human	151	KEYEKDIAAYRAKGKSEAGKKGPRPTGSKKK	NEPEEEEEEEEE-DED	199
Porcine	151	KEYEKDIAAYRAKGKGEAGKKGPRPTGSKKK	NEPEEEEEEEEEDEDED	200
Bovine	151	KEYEKX-AAYRAKGKSEAGKKGPRPTGSKKK	NEPEEEEEEE.....	200
Rat	151	KEYEKDIAAYRAKGKSEVGKKGPRPTGSKKK	NEPEEEEEEEEEDEDED	200
Human	200	EEEEDEDEE	208	
Porcine	201	EEEEDEDEE	209	
Bovine	201		
Rat	201	EEEEDEDEE	209	

Comparison among human, porcine, bovine and rat HMG-2
 "I" indicates the same amino acid with that of human HMG-2.